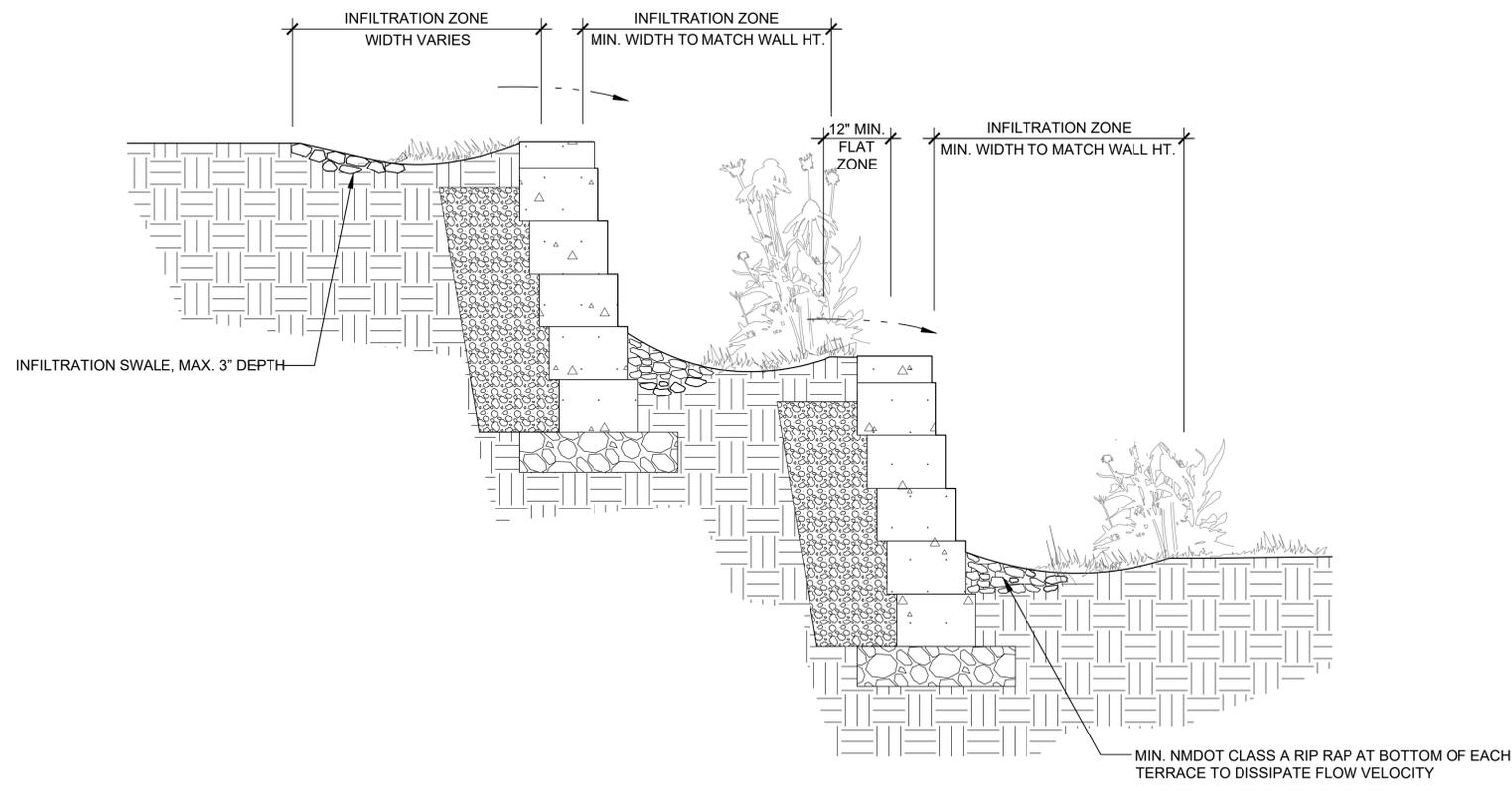
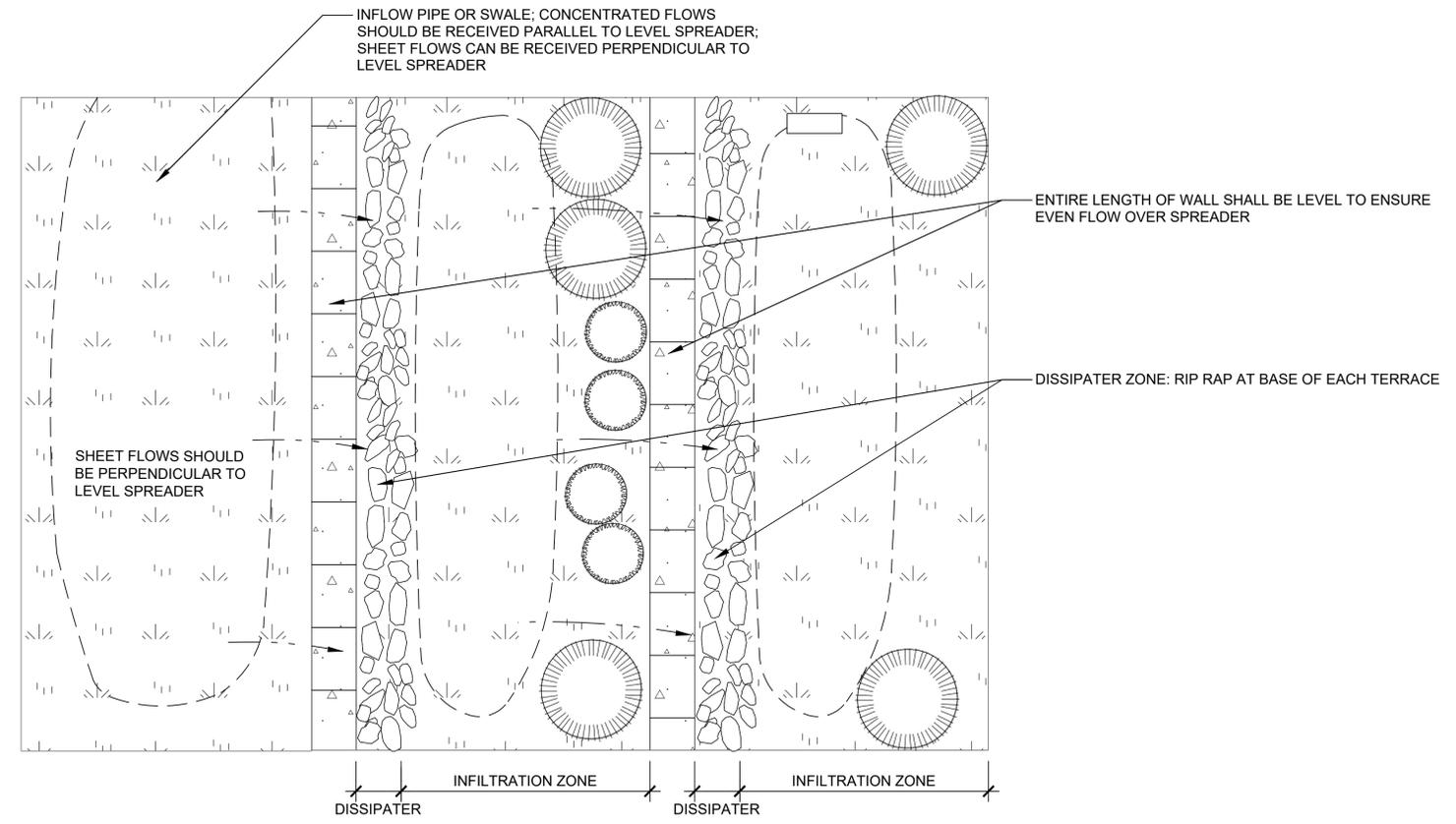


D
C
B
A



VIEWWL SPREADER SECTION
C-XXXX
1' 6" 0 1' 2' 3'
1/2"=1'-0"



VIEWWL SPREADER PLAN
C-XXXX
1' 6" 0 1' 2' 3'
1/2"=1'-0"

GENERAL NOTES:

1. IF THIS SHEET IS NOT 24"x36" USE GRAPHIC SCALE ACCORDINGLY.
2. THE LEVEL SPREADER SHALL BE DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC). STRUCTURAL ANALYSIS OF THE LEVEL SPREADERS SHALL BE COMPLETED BASED ON THE PROJECT SPECIFIC LAYOUT/ DESIGN.

NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

DESIGN LIMITATIONS:

1. LEVEL SPREADERS ARE ONLY SUITED FOR SHEET FLOW AREAS WITH MINIMALLY CONCENTRATED FLOWS.
2. LEVEL SPREADERS SHALL NOT BE SITUATED IN AREAS WITH HIGHLY ERODIBLE SOIL.

SITING CRITERIA:

1. LEVEL SPREADERS SHOULD NOT BE PLACED IN AREAS THAT COULD BE TRAFFICKED BY CARS OR PEOPLE.
2. LEVEL SPREADERS SHOULD BE PLACED A MIN. OF 15' FROM THE EDGE OF FOUNDATIONS OR BUILDINGS.
3. REQUIRES SOILS SUITABLE FOR VEGETATION GROWTH.

DESIGN CRITERIA:

1. AVOID CREATING TERRACES GREATER THAN 30" TALL.
2. TERRACES SHOULD BE SPACED.
3. TERRACE MATERIAL OPTIONS:
INTERLOCKING BLOCK WALL SYSTEM
STONE
GABIONS
CONCRETE
4. VEGETATION FOR LEVEL SPREADERS SHOULD BE DROUGHT TOLERANT.
5. IF CONCRETE IS UTILIZED IT SHALL CONFORM WITH LANL REQUIREMENTS. IF STONE IS UTILIZED IT SHALL BE SIZED BASED ON CHANNEL VELOCITIES AND VERTICAL/ HORIZONTAL SHEER CONSIDERATIONS.

CONSTRUCTION CRITERIA:

1. TOP ELEVATION OF EACH TERRACE WALL SHALL BE LEVEL ACROSS THE LENGTH OF EACH WALL.
2. IDENTIFY APPROPRIATE MATERIALS AND HOLD POINTS FOR INSPECTION AND APPROVAL DURING CONSTRUCTION.
3. PROVIDE ACCESS FOR MAINTENANCE.

		REVISIONS PER [DCF] [DRN] [FCR]							
NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
0				INITIAL ISSUE FOR [DCF-XYZ]					

ENGINEERING STANDARDS

CIVIL
LOW IMPACT DEVELOPMENT
LEVEL SPREADER

TA-XX BLDG XXXX

DISCIPLINE POC: JOHN O'BRIEN APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY PO Box 1663 Los Alamos, New Mexico 87545

DRAWN: E. ATENCIO
DESIGN: T. LEMKE
CHECKED: S. RAEI
DATE: 02-10-20

SHEET **1** OF **16**

D.C.: UNCLASSIFIED REVIEWER: DONALD YARDMAN DATE:
PROJECT ID: DRAWING NO: **CHAPTER 3 ST-G20GEN-1.11** REV **0**

00% REVIEW
NOT FOR CONSTRUCTION